



Material - UNS R30563

Standard Specification for Cobalt-Based alloy

Group - Non-Ferrous Cobalt Alloys

Sub Group - UNS R30563 Cobalt-Based alloy

Application - Intended for Valve, Pump, General Engineering, Automotive, Medical and other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing	
Chromium	Cr %	18.000 - 22.000		
Molybdenum	Mo %	3.000 - 4.000		
Nickel	Ni %	15.000 - 25.000		
Iron	Fe %	4.000 - 6.000		
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Sulphur	S %	0.010 max.		
Tungsten	W %	3.000 - 4.000		
Titanium	Ti %	0.500 - 3.500		
Cobalt	Co %	Balance	Mechanical Properties Tensile Strength in Mpa 600 min. Yield Strength in Mpa 275 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F 563 R30563	ASTM	USA	Casting
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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